AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

 (Currently Amended) An intraluminal guide wire, comprising: an elongated wire core having a proximal core section and a distal core section having a tapered distal end;

wherein at least a section of the elongated wire core includes at least one of randomized and non-randomized tactile surface contours;

an uninterrupted polymer coating with a generally constant outside diameter adhering to and contiguous with the at least one of randomized and non-randomized tactile surface contours for at least a portion of the elongated wire core including at least a portion of the tapered distal end and having a surface contour that follows the at least one of randomized and non-randomized tactile surface contours in the elongated wire core; and

a flexible tubular member disposed over the distal core section.

- (Original) The intraluminal guide wire of claim 1, wherein the surface contours have a surface-to-peak amplitude of about 0.0002 to 0.002 inch.
- (Original) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a bump.
- (Withdrawn) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a divot.
- (Withdrawn) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a helical pattern.

- (Original) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a rib.
- (Original) The intraluminal guide wire of claim 1, wherein tactile surface contours includes a plurality of ribs spaced about 0.05 cm to 2 cm apart.
- (Withdrawn) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least an undulation.
- (Withdrawn) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a longitudinal groove.
- (Original) The intraluminal guide wire of claim 1, wherein tactile surface contours include ridges and dips.
- (Original) The intraluminal guide wire of claim 1, wherein tactile surface contours include at least a circumferential groove.
- (Original) The intraluminal guide wire of claim 1, wherein the flexible tubular member is disposed over the polymer coating.
- (Original) The intraluminal guide wire of claim 1, wherein the polymer coating is disposed over the flexible tubular member.
- 14. (Original) The intraluminal guide wire of claim 1, wherein the proximal core section includes a high strength steel and the distal core section includes a nickel-titanium alloy.
- (Original) The intraluminal guide wire of claim 1, wherein the polymer coating includes a fluoropolymer.

 (Currently Amended) An intraluminal guide wire, comprising: an elongated core having a proximal core section and a distal core section including a taper transitioning to a distal end;

wherein an exterior surface of the distal core section includes randomized tactile surface contours as part of the distal core section itself:

a polymer coating of generally non-uniform thickness adhering without a gap to at least a portion of the distal core section <u>including at least a portion of the tapered transition</u> with a coating profile not following a tapered profile of the elongated core, the polymer coating having tactile surface contours following the randomized surface contours of the exterior surface of the distal core section; and

a flexible tubular member disposed over the distal core section.

- (Original) The intraluminal guide wire of claim 16, wherein the tactile surface contours includes a rib.
- (Withdrawn) The intraluminal guide wire of claim 16, wherein the tactile surface contours includes a helical pattern.
- (Withdrawn) The intraluminal guide wire of claim 16, wherein the tactile surface contours includes a longitudinal groove.
- (Withdrawn) A method for providing an intraluminal guide wire, comprising:
- providing an elongated core having a proximal core section and a distal core section having a smooth exterior surface;
 - tapering a profile of the elongated core to transition into a distal end; heating and extruding a polymer through a die to adhere to at least a portion

imparting into the polymer coating at least one of randomized and nonrandomized tactile surface contours that are formed independently from the profile of the elongated core.

- 21. (Withdrawn) The method of claim 20, wherein imparting into the polymer coating includes localized heating of the polymer coating.
- (Withdrawn) The method of claim 21, wherein localized heating includes laser heating.
- 23. (Withdrawn) The method of claim 21, wherein localized heating includes laser heating aimed at right angle to the elongated core while advancing and rotating elongated core past the laser.
- (Withdrawn) The method of claim 21, wherein localized heating includes translating the polymer coating past a heat source emitting heat in cycles.
- 25. (Withdrawn) The method of claim 20, wherein imparting into the polymer coating includes changing an advancement speed of the elongated core through the die.
- (Withdrawn) The method of claim 20, wherein imparting into the polymer coating include applying impulse force to polymer.
- 27. (Withdrawn) The method of claim 20, wherein imparting into the polymer coating at least one of randomized and non-randomized tactile surface contours includes providing bumps in at least a portion of the elongated core.
- 28. (Withdrawn) The method of claim 27, wherein providing bumps in at least a portion of the elongated core includes drawing the elongated core through a die.

- 29. (Withdrawn) The method of claim 20, wherein imparting into the polymer coating at least one of randomized and non-randomized tactile surface contours includes particle blasting the elongated core.
- (Withdrawn) The method of claim 20, wherein the polymer includes a fluoropolymer.
- (Currently Amended) An intraluminal guide wire, comprising:
 an elongated wire core having a proximal wire core section and a distal wire core section including a taper transitioning to a distal end;

wherein an exterior surface of the distal wire core section includes randomized tactile surface contours that are part of the distal wire core section itself;

a polymer coating of generally non-uniform thickness adhering to and contiguous with at least a portion of the distal core section <u>including at least a portion of the tapered transition</u> with a coating profile not following a tapered profile of the elongated core, the polymer coating having tactile surface contours following the randomized surface contours of the exterior surface of the distal core section;

a flexible tubular member disposed over the distal core section, wherein:

the surface contours have a surface-to-peak amplitude of about 0.0002 to 0.0020 inch:

the flexible tubular member is disposed over the polymer coating;

the proximal core section includes a high strength steel and the distal core
section includes a nickel-titanium alloy; and

the polymer coating includes a fluoropolymer.